FRONT SKATE PARK Public Workshop #2

December 11, 2012

Presented by:

Kanten Russell, P.M., Skateboarder





PRINCIPAL DESIGN/ PUBLIC FACILITATION/ LAND ARCH.

PUBLIC ACTION SPORT PARK DESIGN EXPERIENCE

- •Over 150 public sector projects (500 sq. ft.-440 acres)
- Domestic and Internationally recognized
- •Over 300 Public Consensus Workshops
- •Multi-Action Sport Design Experience-Skate/ BMX/ Moto/ Water
- •Planner/ Designer of Largest Public & Private Action Sport Park Projects in the World.

PROFESSIONAL REGISTRATION/ LICENSURE

•CLARB Certification #36669

•LANDSCAPE ARCHITECT: AL – 579, AZ – 34186, CA – 4096, CO – 688, CT – 1122, DE – S1-0000388, GA – LS003001, IN – LA20600025, IA – 479, MD – 3319, MI – 3901001448, MN – 44397, MO – 2005032424, MT 281, NV – 811, NM – 378, NY – 1974, OH – 501121, OK – 281, PA – LA002682, TN – 775, TX – 2319, UT – 5238119-5301, VA – 1285, WI – 508-014, WY – LA-0085C

LICENSED CONTRACTOR

- •A-General Engineering Contractor
- •C-27 Landscape Contractor

TECHNICAL CERTIFICATION

- •Certified Landscape Technician: (ALCA) Construction Irrigation, Maintenance.
- •Irrigation Association-Certified Water Auditor

EDUCATION

•California Polytechnic State University School of Architecture & Environmental Design San Luis Obispo,CA, B.S. Landscape Architecture

Mike McIntyre, RLA #4096, ASLA, Principal







LEAD DESIGN/ P.M. / PUBLIC FACILITATION

Kanten Russell, P.M./Pro Skateboarder

PUBLIC SKATE/ BMX PARK DESIGN EXPERIENCE

- •Over 70 public sector projects (500 sq. ft.-30 acres)
- •Domestic and International Experience
- •Over 40 Public Consensus Workshops
- •Multi-Action Sport Design Experience

PROFESSIONAL SKATEBOARDING EXPERIENCE

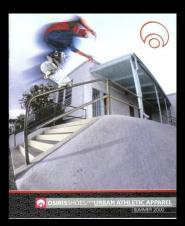
- •25 Years Skateboarding Experience
- •12 Year Professional Career
- •Global Terrain Experience and Expertise

EDUCATION

- •Cuyamaca College-Dual Associates Degree
- •Engineering Surveying & Cad Design



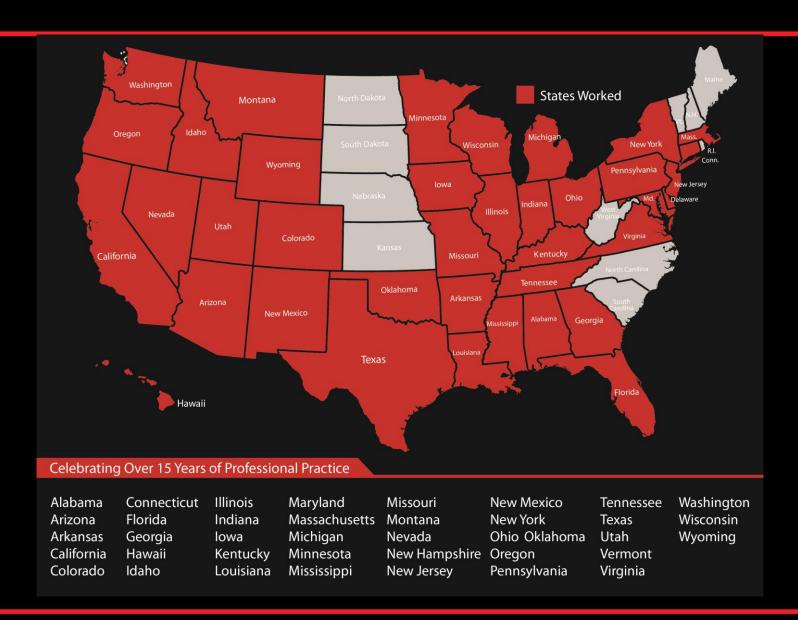














Public Skate/ BMX Park Experience

ARKANSAS

Tindal Park BMX- Bentonville

ALABAMA

Alabaster-Veterans Skate Park Alabaster Huntsville-Insanity Skate Park Huntsville

ARIZON

Apache Junction Skate Park Apache Junction Chandler-Snedigar Complex Chandler Chandler-Espee BMX Park Chandler Coolidge-West Park Skate Park Coolidge Flagstaff-Bushmaster Skate Park Flagstaff Flagstaff-Foxglenn Skate Park Flagstaff Fountain Hills-Fountain Hills Skate Park Fountain Hills Gilbert-Freestone Skate Park Gilbert Glendale-X-Court Skate Park Glendale Goodyear-Goodyear Skate Park Goodyear Peoria-Rio Vista Skate Park City of Peoria Phoenix-Paradise Valley Phoenix Phoenix-Pecos Skate Park Phoenix Picture Rocks-BMX/Skate Plaza Picture Rocks Prescott-Mike Fann Skate Park Prescott Red Rock-Anthem Village Skate Park Tucson Scottsdale-McDowell Mountain Ranch Scottsdale Sierra Vista-Sierra Vista Skate Park Sierra Vista Tempe-Tempe Sports Complex Tempe Tempe-Victory Acres Park Tempe Tucson-Santa Rita Park Tucson Tucson-Ott Family YMCA Tucson Wickenburg-Wickenburg Skate Park Wickenburg

CALIFORNIA

Berkeley-Berkeley Skate Park Berkeley
Borrego Springs-Badlands Skate Park Borrego Springs
Calabasas- Aquatic Center Master Plan
Carmel Valley Skate Park San Diego
Chino-Ayala Skate Park Chino
Chula Vista-Salt Creek Skate Park Chula Vista
Chula Vista-Veteran's Park Chula Vista
Chula Vista-Santa Venetia Chula Vista

CALIFORNIA continued

Clovis-Letterman Skate Park Clovis Coronado-Coronado Skate Park Coronado Culver City-Culver City Skate Park Culver City Delano-Delano Skate Park Delano Encinitas YMCA-Magdalena Ecke Encinitas Encinitas Hall Property Skate Plaza Encinitas Escondido-Escondido Sports Complex Escondido Fontana-Jesse Turner Skate Park Fontana Fort Bragg Skate Park Fort Bragg Fresno-Lion's Den Skate Park Fresno Glendale-Verdugo Skate Park Glendale Lake Forest-Etnies Skate Park Lake Forest Lathrop-Lathrop Skate Park Lathrop Lindo Lake Wheel Friendly Park- Lakeside- San Diego County Los Angeles-Nike Skate Plaza Los Angeles Malibu-Super Model Moto Track Malibu Miramar Outdoor Adventure and Extrmem Park- Marines Morgan Hill-Skate Park Morgan Hill National Level BMX- Hayward Ocean Beach-Robb Field-Tidelands Park Ocean Beach Orange Cove-Feinstein Skate Park Orange Cove Oxnard Skate Plaza-Campus Park Palm Springs-Palm Springs Skate Park Palm Springs Porterville-Veterans Park Porterville Rancho Cordova-Mather Skate Park Rancho Cordova San Bernardino-Blair Skate Park San Bernardino San Jose-mayfair San Jose Santa Clarita-Santa Clarita Skate Park Santa Clarita Selma-Berry Skate Park Selma Tony Hawk-Hawk Backyard Skate Park Encinitas Town of Apple Valley BMX Apple Valley Vallejo-Wardlaw Skate Park Vallejo Yuba City-Church of Glad Tidings Yuba City

COLORADO

Aspen-2007 Winter X-Games-FMX Aspen Aurora-Aurora Wheel Park Aurora Boulder-Scott Carpenter Park Boulder Brighton-Brighton Skate Park Brighton Commerce City-Pioneer Skate Park Commerce City City of Denver- Park Field Wheel Friendly Plaza

COLORADO continued

La Junta-Sk8way Skate Park La Junta Longmont-Sandstone Ranch Longmont Parker-Railbender Skate Park Parker

CONNECTICUT

Bristol-Rockwell Skate Park Bristol

FLORIDA

Orlando-Orlando Skate Park Orlando

GEORGIA

Dunwoody-Brook Run Dunwoody Lilburn-Mountain Park Lilburn Stone Mountain-Deshong Stone Mountain Cycle Therapy- Rome

HAWAII

Kamuela-Salvation Army Kamuela

DAHO

Caldwell-Pipe Dreams Caldwell

ILLINOIS

Chicago-Wilson Skate Park Chicago Springfield-Springfield Skate Park Springfield

INDIANA

Anderson-Skate Plaza Anderson

IOWA

Davenport-Centennial Park Davenport Des Moines-Four Mile Park Des Moines

KENTUCK

Grand National BMX- La Grange

LOUISIANA

Baton Rouge-Perkins Road X-Treme Park

MARYLAND

Olney-Manor Skate Park Onley



Public Skate/ BMX Park Experience

MASSACHUSETTS

Easthampton Skate Park Easthampton Town of Hingham Skate Plaza Town of Hingham

MONTANA

National Level BMX- Whitehall

MICHIGAN

Grand Haven-Mulligan's Hollow Grand Haven

MINNESOTA

St. Cloud Skate Plaza Plymouth Skate Plaza Eden Prairie Skate/ Bike Park Woodbury Skate Plaza Bemidji Skate Park Duluth-Wheeler Fieldhouse Duluth Rochester-Silver Lake Park Rochester

MISSISSIPPI

Pascagoula-I.G. Levy park Pascagoula

MISSOURI

Poplar Bluff Skate Plaza Poplar Bluff Hannibal-Ramp Park Hannibal Independence-Hill Skate Park Independence Kansas City-Penn Valley Skate Park Kansas City Springfield, MO-Skate Park Springfield

NEVADA

Henderson-Anthem Hills Henderson Las Vegas-Hollywood Skate Park Las Vegas Southwest Regional Sports Complex

NEW JERSEY

Princeton-Hilltop Skate Park Princeton

NEW MEXICO

Albuquerque-Calvary Chapel Albuquerque Albuquerque-Los Altos Park Albuquerque Santa Fe-Santa Fe Skate Park Santa Fe Santa Fe- Downtown Skate Plaza Taos-Taos Skate Park Taos

NEW YORK

New York-Chelsea Pier 62 New York Staten Island, NY

OHIO

Kettering-DC Skate Plaza Kettering

OKLAHOMA

Oklahoma-Matt Hoffman Park Oklahoma City

OREGON

Forest Grove-Lincoln Park Forest Grove Hillsboro-Reedville Creek Hillsboro

PENNSLYVANIA

York-Reid Menzer park York Greensburg-Peach Plaza Greensburg

TENNESSE

Franklin-Jim Warren Franklin

TEXAS

Lewisville Lewisville
Allen-The Edge Allen
Midland-William Sam Memorial Midland
El Paso-Carolina Skate Park El Paso
Odesa Skate Park Feasability Study
Sealy Skate Park Sealy
The Woodlands-Bear Branch The Woodlands
Irving-Lively Point Park Irving
Lewisville-Railroad Complex Lewisville
Mabank-Private Residence Skate Park Mabank
Midland-William Sam Skate Park Midland

LITAL

American Fork-Greenwood Park American Fork Clearfield-Fisher Park Clearfield Fairmont-Fairmont Skate Park Salt Lake Layton City-Layton Skate Park Layton Logan Skate Park Logan Midvale-Copperview park Midvale Oakley-Oakley Skate Park Oakley

JTAH continued

Park City-Park City Skate Park Park City Park City-Expansion Phase II Park City Salt Lake County-Kearns Park Salt Lake Sandy-Rosewood Skate Park Sandy

VIRGINIA

Fairfax-Wakefield Skate Park Fairfax
South Riding Park-South Riding South Riding

WASHINGTON

Mukilteo-YMCA Skate Park Mukilteo Spokane-Albi Stadium BMX Spokane

WISCONSIN

Kenosha-Kenosha Skate Park Kenosha Sauk City-Eagle Skate Park Sauk City, WI.

INTERNATIONAL

Denmark- Copenhagen Middlesborough Skate Plaza- England Durban Wave House- South Africa Black Pearl Skate and Surf- Cayman Islands





PROJECT HISTORY

SUMMARY OF PREVIOUS EXPERIENCE



Minnesota Skate Plaza Sets Standards For Advocacy And Design

When 14-year-old Austin Lee first approached Mayor Dave Kleis of St. Cloud, Minnesota in 2006 to pitch the idea of a public skatepark, the Mayor was impressed by the articulate and persistent youngster. He was so impressed, in fact, that he appointed Austin to the St. Cloud Parks and Recreation Board, making him not only the youngest member ever, but the youngest to serve as Board Chain.

With the full support of his colleagues, Austin launched the St. Cloud Skate Plaza project, presented it to over 50 local businesses, and helped raise \$60,000 in the first year. Mayor Rieis promised a matching grant, and additional funds came from a number of donors, foundations, and government agencies—including \$10,000 from the Tony Hawk Foundation.



autracted the attention of the national interior attracted the attention of the national media—in 2008 he was named the ABC World News Person Of The Week. That and other publicity beiged the skatepark committee raise the \$450,000 they needed to complete the skatepark, and in November 2010 the St. Cloud Skate Plaza opened to rave reviews. But unlike most skatepark projects, this one was notable not just for who was behind it, but also for how it was designed and built.

From concept through construction, the St. Cloud Skate Plaza is the world's greenest skatepark. Among the processes and materials utilized in creating the plaza were online virtual meetings of the skatepark committee, recycled fly-ash concrete, bio swales for drainage, and locally sourced granite for ledges and fill material.

With certification pending. St. Cloud is set to become the world's first LEEDcertified skatepark. But it's already passed the most important test hundreds of skaters from throughout the region visit the park each day.

The St. Cloud Skate Plaza has set the standard for how a forward-thinking community can harness the energy and passion of its youth to achieve not just a new skatepark, but a new understanding of what its future leaders are truly catable of.



ST. CLOUD, MN SKATE PLAZA

Skate Park Size:



ST. CLOUD, MN SKATE PLAZA

Skate Park Size:





ST. CLOUD, MN SKATE PLAZA

Skate Park Size:





ST. CLOUD, MN SKATE PLAZA

Skate Park Size:





CARLSBAD, CA-SKATE PARK

Skate Park Size:



CARLSBAD, CA-SKATE PARK



















CITY OF POPLAR BLUFF, MO-Skate Park

Skate Park Size:



CITY OF POPLAR BLUFF, MO-Skate Park

Skate Park Size:



CITY OF POPLAR BLUFF, MO-Skate Park

Skate Park Size:



LIVE OAK, TX FITNESS PARK



LIVE OAK, TX FITNESS PARK







Lake Geneva, WI Skate Plaza



CINCINNATI, OH 36,000 SQ. FT.



CINCINNATI, OH 36,000 SQ. FT.



CITY OF DENVER, CO-WHEEL FRIENDLY PARK

Wheel Park Size:



PROJECT LOCATION

CITY OF DENVER, CO-WHEEL FRIENDLY PARK

Wheel Park Size:



CITY OF DENVER, CO-

Skate Park Size:









CITY OF Plymouth, MN-Wheel Park

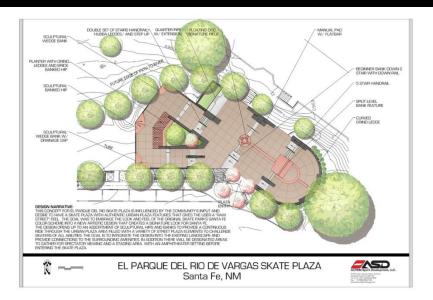
Wheel Park Size: 10,000 sq. ft.







City of Santa Fe, NM



Wheel Park Size: 6,000 sq. ft.





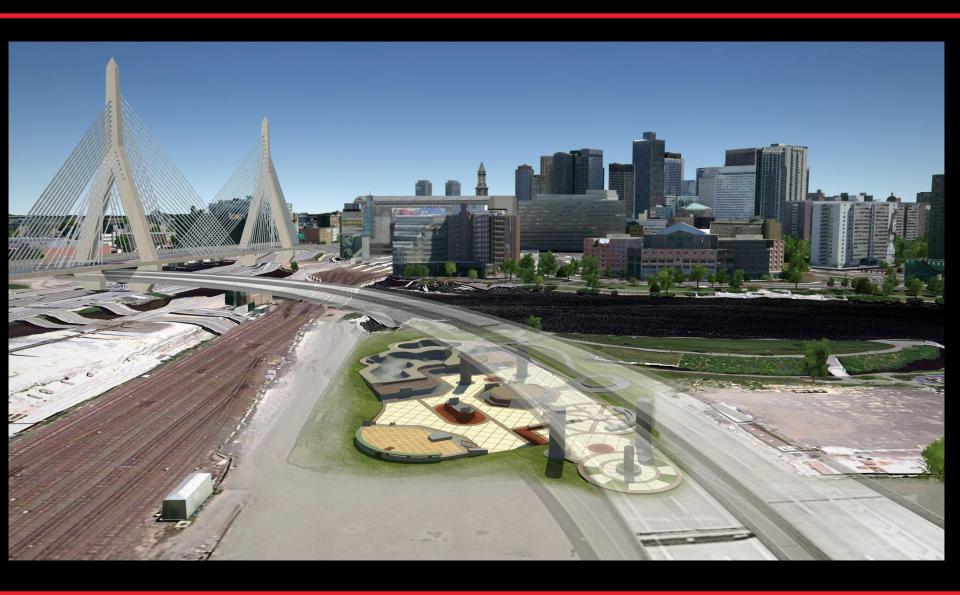


FABER PARK-STATEN ISLAND, NY SKATE PLAZA

Wheel Park Size:



CHARLES RIVER SKATEPARK, CAMBRIDGE, MA



CHARLES RIVER SKATEPARK, CAMBRIDGE, MA

CELTICS BASKETBALL INSPIRED GRIND LEDGE

GRIND LEDGE ...

HUBBA LEDGE

BRIDGE COLUMNS ...

STAMPED BRICK
PUMP BUMP

CANTILEVERED ---GRIND LEDGES

CANTILEVERED ---BRUINS HOCKEY INSPIRED
MANUAL PAD

PIER 7 GRIND LEDGE ----

ELEVATED PAD

FLAT BAR .---

CONCEPT B

ENTRY





PROJECT UNDERSTANDING

PROJECT LOCATION



SITE ANALYSIS



AVAILABLE SPACE TO EXPAND SKATE PARK



EXISTING RESTROOM BUILDING



EXISITING SKATE PARK CONCRETE IS IN GOOD SHAPE



FUTURE SKATEPARK LOCATION (FROM MACKUBIN)



APARTMENT BUILDING



DEGRADING SKATEING ELEMENTS



FUTURE SKATEPARK LOCATION (FROM STINSON)



SHADE SPACE NEAR EXISTING SKATE PARK

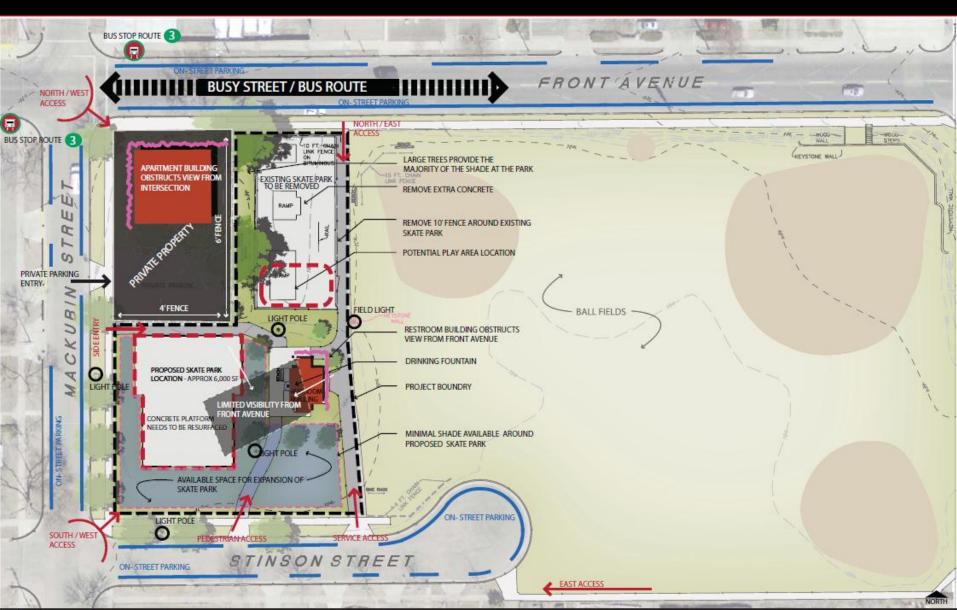


STREET VIEW FROM SOUTH OF STINSON

EXISTING CONDITIONS



SITE ANALYSIS



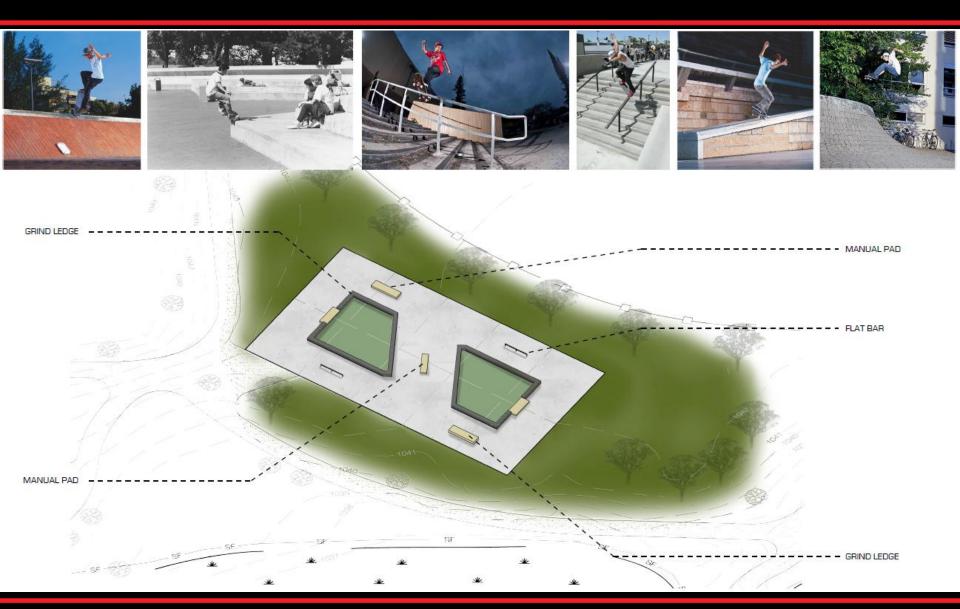
SURVEY RESULTS

8. What type of skating eler	ments would yo	u add to the cur	rent skate park?	Please r	ank.					
	Really want to	Nice to have but could live without	Don't really need	Rating Average	Response Count					
Mini ramps	63.7% (79)	24.2% (30)	12.1% (15)	1.48	124					
Flat rail	63.5% (80)	31.0% (39)	5.8% (7)	1.42	126					
Bowl	52.5% (64)	27.0% (33)	20.5% (25)	1.68	122					
Hand Rail	54.5% (66)	27.3% (33)	18.2% (22)	1.64	121					
Launches	32.3% (40)	37.1% (46)	30.6% (38)	1.98	124					
Wall ride/ Vert wall	47.0% (55)	29.1% (34)	23.9% (28)	1.77	117					
Stairs	57.3% (71)	22.6% (28)	20.2% (25)	1.63	124					
Roll-ins	40.0% (48)	31.7% (38)	28.3% (34)	1.88	120					
Fun Boxes	73.2% (93)	21.3% (27)	5.5% (7)	1.32	127					
			Other (pleas	e specify)	62					
answered question										
skipped question										
9. What would you like to se	ee in addition to	new skating ob	stacles?							
			F	Response Percent	Response Count					
Gathering Space				50.4%	63					
Additional Seating				32.0%	40					
Additional Shade				75.2%	94					
			Other (pleas	e specify)	39					
			answered	question	125					

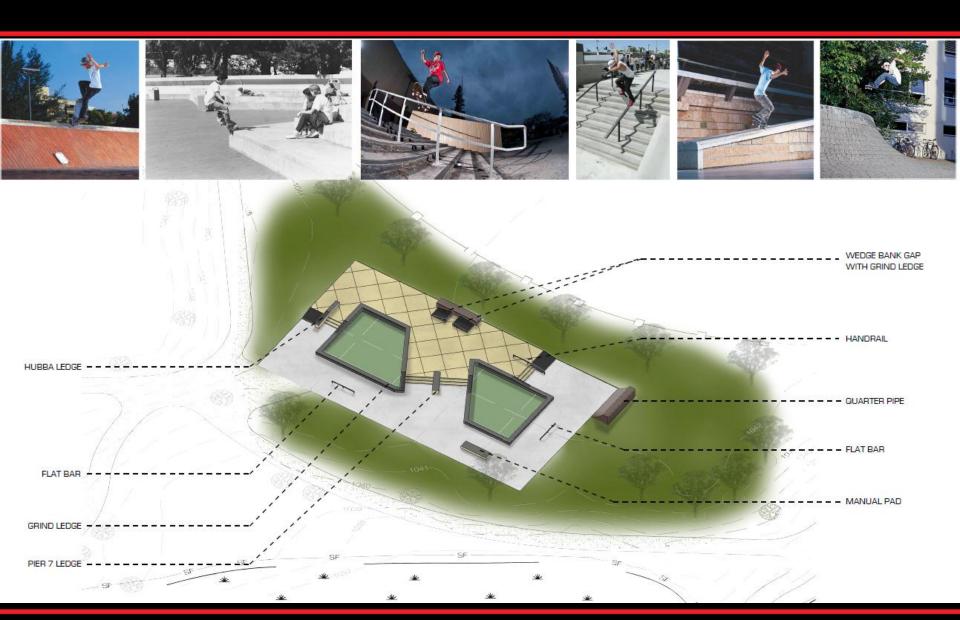
Page 1,	Q4. Do you visit any other skate parks within the City of Saint Paul or Minneapolis	9?
1	Marium and the Roseville oval, they have a lot of space and nice vert and rails	Oct 24, 2012 2:41 PM
2	walton skate park , open space and more tech stuff	Oct 19, 2012 11:27 AM
3	Bottineau, Elliott, Front, Brackett, Merriam, Morrisit's important for parks to have a selection of vert ramps and they should have a mini-ramp/half-pipe	Oct 16, 2012 7:31 PM
4	Oakdale Skatepark, Crystal Skatepark, Hugo Skatepark, Little Canada Skatepark, 3rd Lair Skatepark, Summit Boardshop's Skatepark	Aug 15, 2012 12:24 AM
5	Merriam Skatepark, Roseville Oval Skatepark, Little Canada Skatepark	Aug 14, 2012 10:25 PM
6	Oval, wide variety of obstacles	Aug 14, 2012 9:57 PM
7	Bottineau, Roseville Oval, Shoreview. The best thing to skate at these parks is stair sets, handrails, and ledges.	Aug 14, 2012 5:14 PM
8	3rd Lair, which is in Golden Valley. It's clean and has nice obstacles to skate: ramps, ledges, rails, etc.	Aug 14, 2012 5:08 PM
9	Oakdale	Aug 4, 2012 10:40 AM
10	Elliot Park	Aug 4, 2012 12:24 AM
11	smooth ground and transition	Aug 3, 2012 8:25 PM
12	Merriam	Aug 3, 2012 8:13 PM
13	More serious obstacles more vert,	Aug 3, 2012 7:40 PM
14	ALL	Aug 3, 2012 4:02 PM
15	all of them, when i am in the area mite as well hit them all!	Aug 3, 2012 3:41 PM
16	bottineau. it has transition. ie. quarterpipes, spines, ramps, and its concrete	Aug 3, 2012 2:06 PM
17	Mendota Heights - For the mini-ramp. Oakdale - Concrete!	Aug 3, 2012 1:26 PM
18	Merriam Skate park	Aug 3, 2012 1:23 PM
19	Armatage, Morris Park, Bottineau, Elliot Park. The flat bars at the Armatage and Elliot Park skate parks are very fun. I usually spend most of my time skating those. I like the fact they are all the cement style ramps too. They hold up better against the extreme cold temps in the winter. I like the Bottineau park in North East Minneapolis because it has fun quarter pipe ramps. The center piece has the fun hip style quater pipe and the spine ramp in between the two quater pipes is super fun as well. I go there primarily to just skate the transition. However, the flat bar there is WAY too close to the fence. That park is very claustrophobic feeling, everything is very close to each other. The thing about Morris Park skate park that I like is the fact there is different style obstacles to skate. The bench and the large ledge style obstacle with the flat bar coming off of it is super fun to skate. It provides many different ways of approaching the way you can skate it. The bench is really fun as well because it is a super basic obstacle that is a common thing to find if you were to go street skating. It's fun to learn a trick on	Aug 3, 2012 1:17 PM



EXAMPLE CONCEPTS



EXAMPLE CONCEPTS



EXAMPLE CONCEPTS







FRONT SKATE PARK MEETING #1 SUMMARY

ST. PAUL, MN FRONT SKATE PARK WORKSHOP #1 SUMMARY

THE PROCESS

On November 14th, 2012 members of the St. Paul community were invited to attend a design workshop to discuss the Sports Parks Expansion and the new skate park. Approximately fifty (20) attendees participated in the evening's workshop discussions.

During the workshop, participants were asked to complete a questionnaire soliciting their input on the new skate park in Santa Clarita. There were 20 workshop participants and 17 completed the questionnaire.

The questionnaire that was presented listed all the skate park elements/amenities that could be included in the new skate park. Each individual then identified the skate park elements/amenities desired on the questionnaires. Then, the attendees were broken into 2 different groups. The groups discussed individual design ideas until a group consensus on the design was reached and recorded on large format paper with scaled feature cutouts and sketches. The group's conclusions were presented to all workshop participants in the front of the room and documented.

OVERVIEW OF RESULTS

Who are the Workshop Participants?	The workshop participants are a group of intermediate

and experienced skateboarders. Most of the attendees have been skating for over 3 years. Most participants consider themselves to be an intermediate to advanced

skill level.

WHAT IS THEIR SKATE PARK EXPERIENCE? Almost all of the attendees have skated at a public skate

park.

WHERE DO YOU CURRENTLY SKATE/BIKE? Most of the workshop participants go to the local

Minnesota skate parks and streets of St. Paul, MN

WHAT SKATE PARK FEATURES ARE YOU INTERESTED IN?

The workshop participants are interested in the following features at a skate park: bank, rails, ledges, stairs, hips, flow and lights. Unique features

WHAT SKATE PARK FEATURES ARE YOU NOT INTERESTED IN?

The workshop participants were not interested in the following features at a skate park: bowls with a lot of vert. Not too much landscaping. No Fencing



WHEN AND HOW OFTEN DO YOU SKATE/BIKE? During the summer is when most skating occurs, however during the non summer months the attendees skate/bike after school or after work. Most skate for a few hours – usually between the hours of 3 pm and 10 pm after school hours. The workshop participants usually skate an average of 2-3 times a week, although some skate everyday.

What are the Top 3 Skate Park Elements/Amenities Needed at the Front Skate Park?

GROUP 1	GROUP 2
Plaza features	Good Flow
Good Flow	Plaza features
Half Pipe Flow	Varying stair sets

TOP ELEMENTS/AMENITIES NEEDED
Plaza/Street Area
Good Flow
Lots of space
Half Pipe
Stairs
Ledges
lighting
Seating/ Shade



FRONT SKATE PARK MEETING #1 WORKSHOP PHOTOS





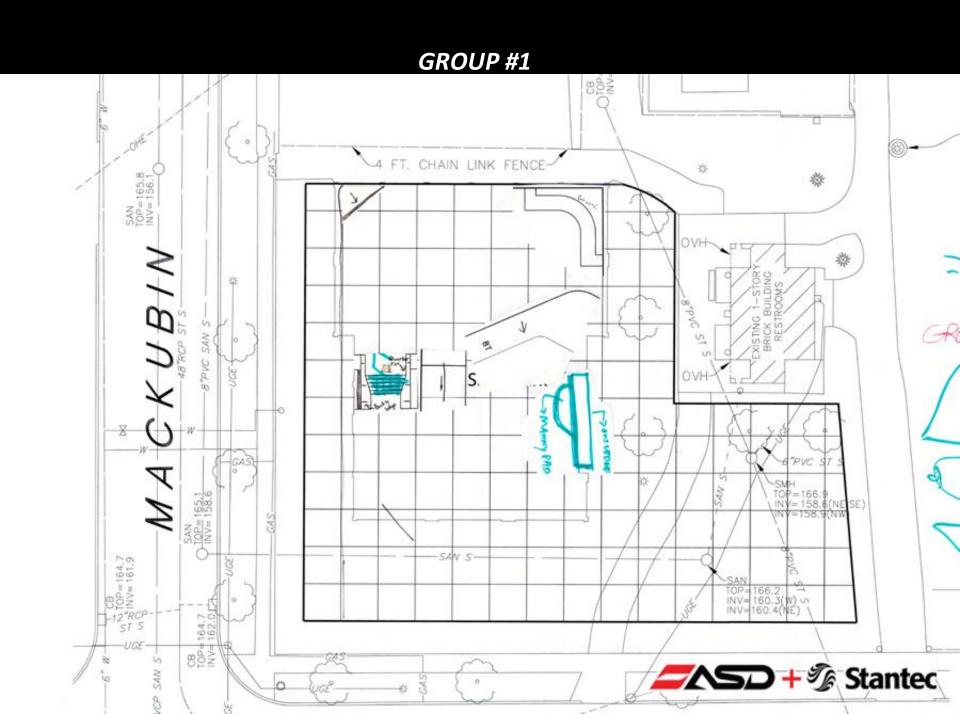


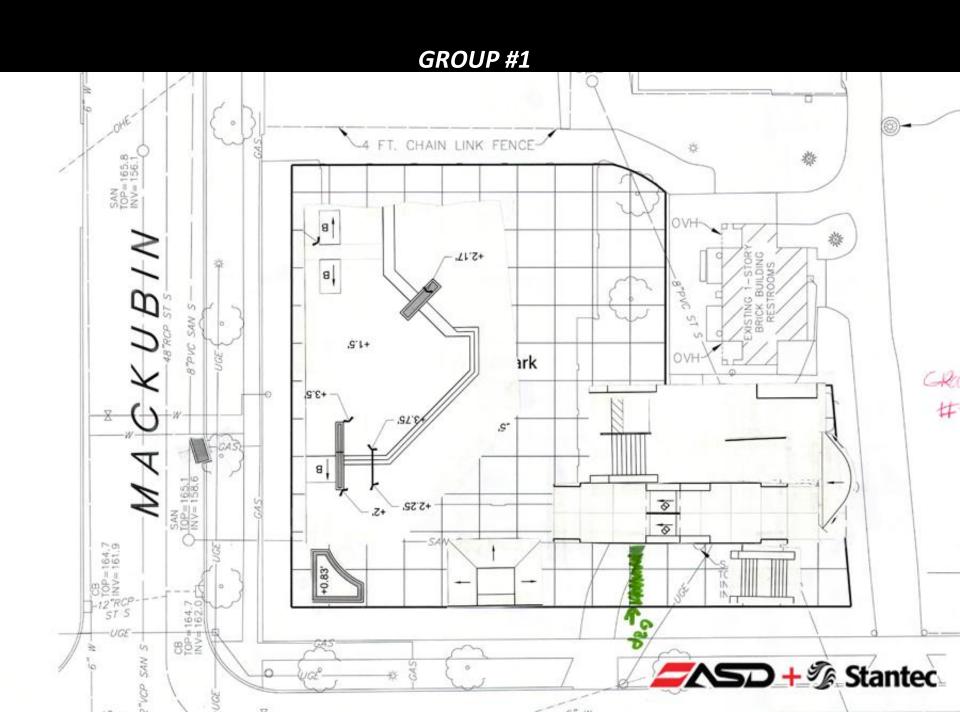


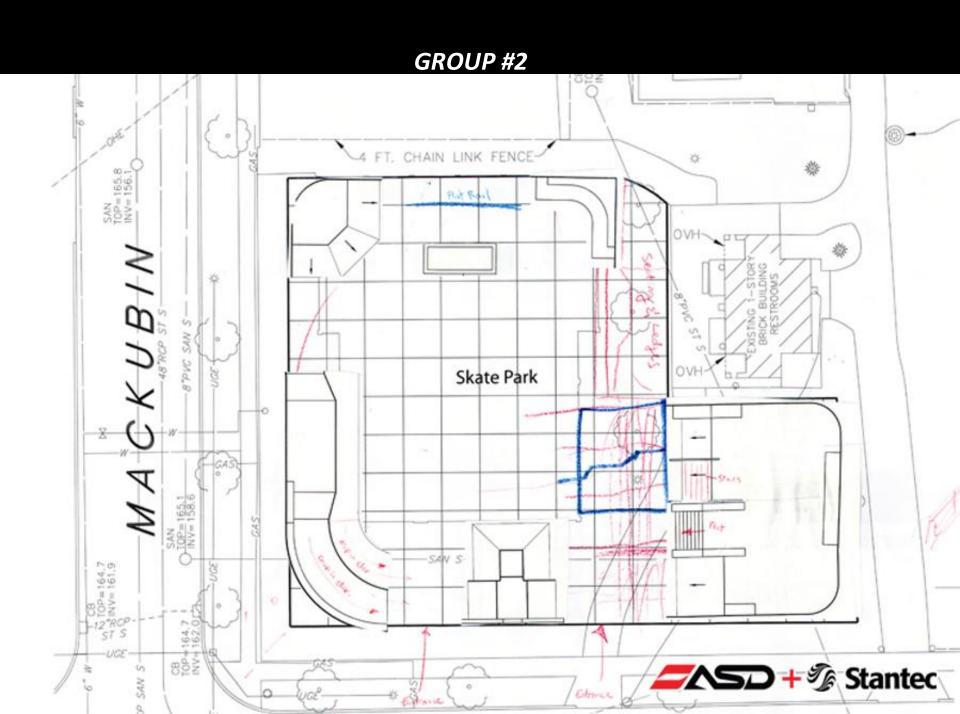


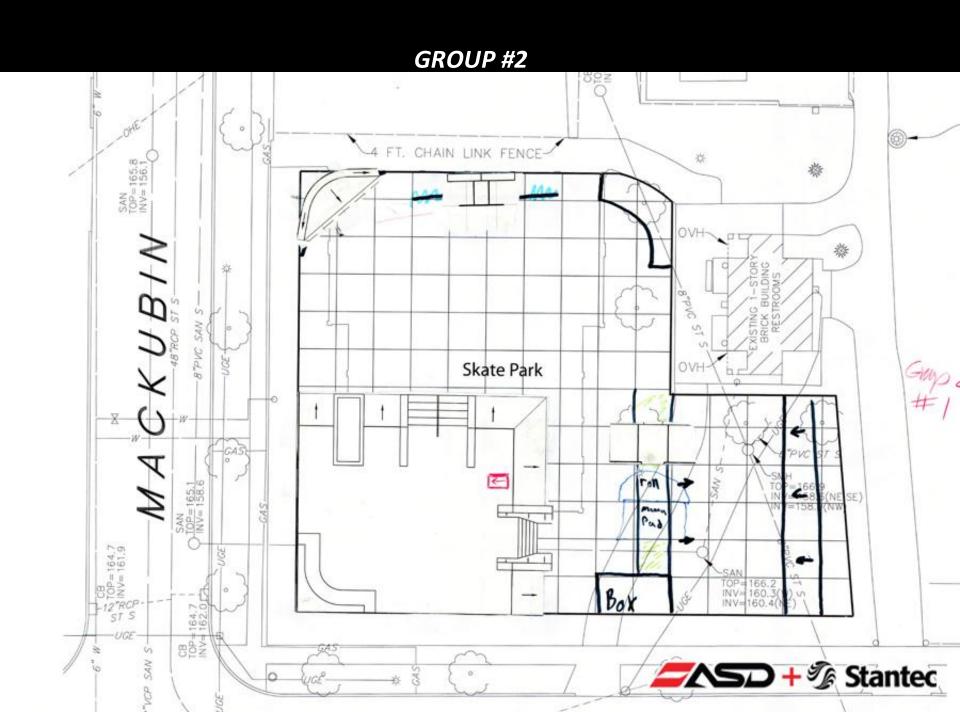


FRONT SKATE PARK MEETING #1 WORKSHOP CONCEPTS









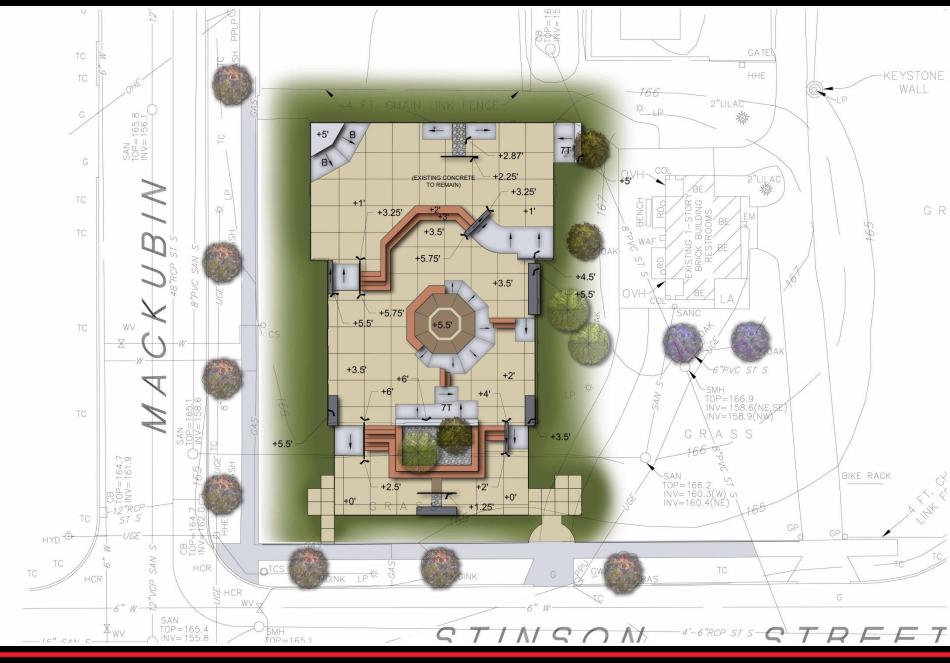
FRONT SKATE PARK CONCEPT #1

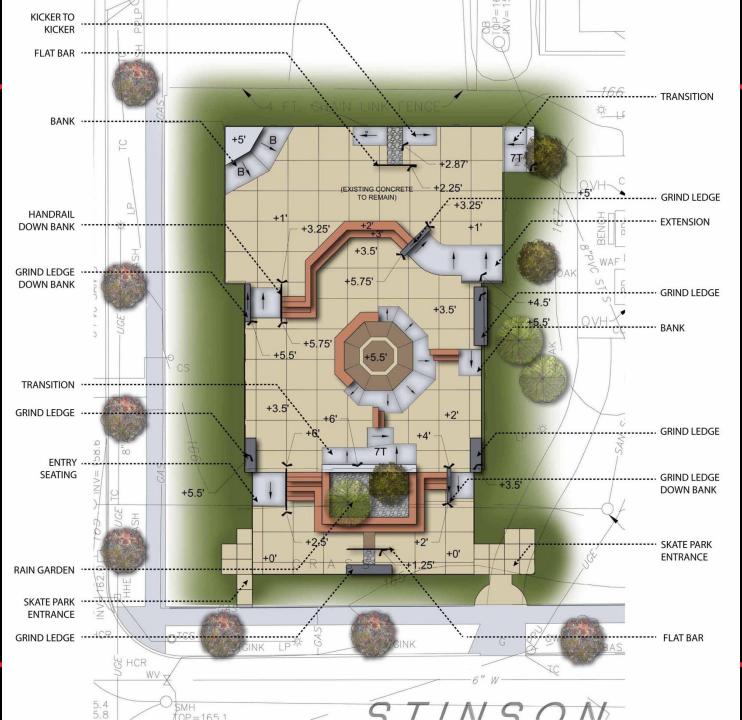




Stantec

FRONT SKATE PARK EXAMPLE CONCEPT #2





Stantec

PROJECT PROCESS

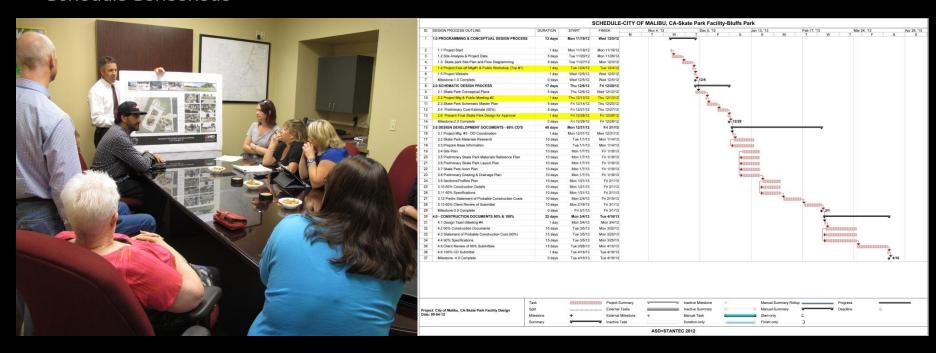
COMMUNITY ENGAGEMENT PROCESS



PROJECT PROCESS

TASK 1-PROJECT INITIATION

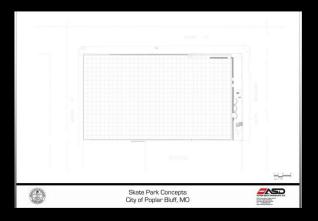
- Meet with City staff on project intent and planning process
- Review and evaluate all options for types of skate park features
- Define Services
- Schedule Consensus

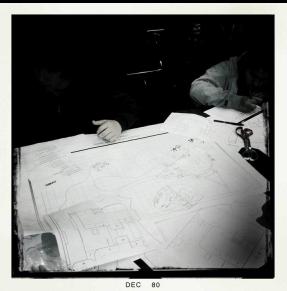


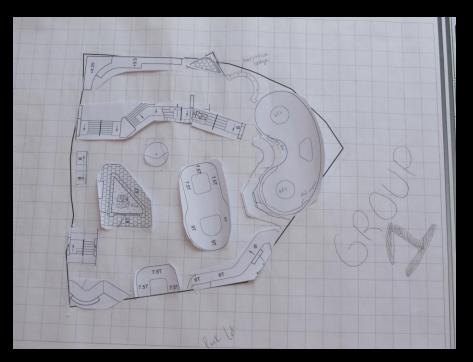
















Home

Actions

Comments

Logout

Jackson Tyler Norris Memorial Skate Park-Buda, TX

An





Example Concept B



Example Concept C









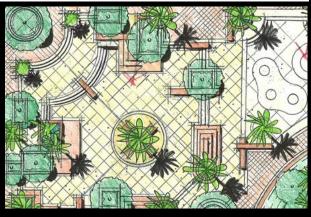


PROFESSIONAL SKATER REVIEW SESSIONS



















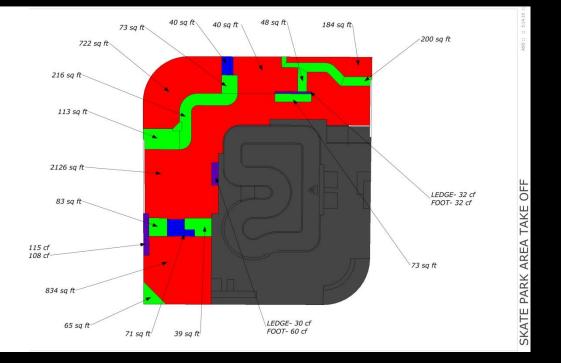
TASK 3-FINAL CONCEPTUAL DESIGN

"The bottom line is that they delivered their work professionally, on time and on budget. The skateboarders love the facility and it is packed every day".

Chris Carterette, AICP
Senior Planner
City of Fort Bragg
Community Development Department

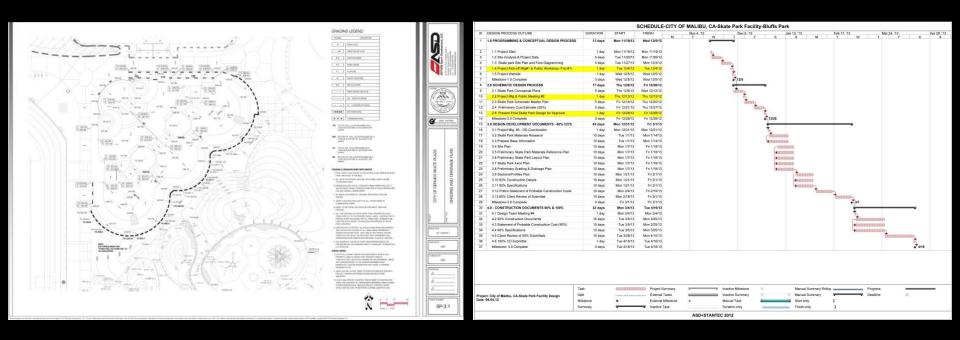
ITEM NO.	DESCRIPTION	APPROX. QUANTITY AND UNIT		UNIT PRICE		TOTAL AMOUNT
PHASE 1	· · · · · · · · · · · · · · · · · · ·					
00000 – Gen	10% Mobilization	1	_		_	
1	10% MODIFIZATION	1	\$	15,156.90	\$	15,156.90
02220 - Den	nolition					
5	Clearing & Grubbing	5,359 sf	\$	0.50	\$	2,679.50
02300 - Earl	thwork					
17	Rough Grading	5,359 sf	\$	3.00	\$	16,077.00
03300 - Cas	t-In-Place Concrete					
34	4" [10.16cm] Flat Top Deck - Rebar Reinforced Concrete Over Aggregate	3,906 sf	\$	10.00	\$	39,060.00
37	Ledges / Boxes / Manual Pads / Jersey Barriers	177 cf	\$	50.00	\$	8,850.00
38	Ledges / Boxes / Manual Pads / Jersey Barriers- FOOTINGS	200 cf	\$	10.00	\$	2,000.00
41	Stairs - Rebar Reinforced Concrete Over Aggregate Base	111 sf	\$	50.00	\$	5,550.0
42	Turndown Wall (+/- 16" High)	50 cf	\$	90.00	\$	4,477.50
43	Retaining Wall (+/- 30" High)	144 cf	\$	100.00	\$	14,400.00
44	Retaining Wall (+/- 30" High)- FOOTINGS	112 cf	\$	10.00	\$	1,120.00
03300 - Sho						
46	6" [15.24cm] Banks	910 sf	\$	21.00	\$	19,110.00
05500 – Met	al Fabrications		_		_	
53	3" Round Steel Pipe	21 If	\$	50.00	\$	1,050.00
54	2" x 2" Square Steel Pipe	60 If	\$	50.00	\$	3,000.00
56	2" X 6" Square Steel Pipe	6 If	\$	50.00	\$	300.00
57	3" X 3"Square Steel Pipe	20 If	\$	50.00	\$	1,000.00
05700 - Orn	amental Metals		_			
61	Decorative Fencing	385 If	\$	85.00	\$	32,725.00
63	Roll Gate	2 ea	\$	85.00	\$	170.00
Contigency	T		_			
66	Construction Contingency	1	\$	7,578.45	\$	7,578.45
67	General Contractor Mark-Up on Skate Park Subcontractor	1	\$	7,578.45	\$	7,578.45
	T ESTIMATE					

Fort Bragg Skate Park



TASK 3-FINAL CONCEPTUAL DESIGN

- Integration with rest of park.
- Prepare dimensioned site plans, details.
- Cost estimate
- Construction Schedule



BIDDING ASSISTANCE

				ang/ries/	s Estimate		ters Northwest		n Ramp Co.		Fraser Co		Skateparks	-	son Co.		undberg
Item	Description	Units	Quantity	Unit Price	Item Cost	Unit Price	Item Cost	Unit Price	Item Cost	Unit Price	Item Cost	Unit Price	Item Cost	Unit Price	Item Cost	Unit Price	Item Cost
	Base Bid Mobilization fixed at \$40,000,00			40 000 00	40 000 00	40 000 00	40 000 00	40 000 00	40 000 00	40 000 00	40 000 00	40 000 00	40 000 00	40 000 00	40 000 00	40 000 00	40 000 00
2	Mobilization fixed at \$40,000.00 Excavation and Rough Grading	LS	- 1	7,560.00	7,560.00	40,000.00 13,560.00	40,000.00 13.560.00	20,000.00	20,000.00	20,000.00	40,000.00 20,000.00	19,500.00	40,000.00 19,500.00	40,000.00 28,820.76	40,000.00 28,820.76	40,000.00 37,000.00	37,000.00
-	Fine Grading and Contouring of Ground around Skate	1.0000	- 1				30,000	20,000,00							333,000,000		
3	park	LS	1	0.00	0.00	4,326.00	4,326.00	20,000.00	20,000.00	6,000.00	6,000.00	12,500.00	12,500.00	15,120.00	15,120.00	15,000.00	15,000.00
4	Install 6-inch Deck Drains	LS	6	300.00	1,800.00	252.88	1,517.28	500.00	3,000.00	700.00	4,200.00	600.00	3,600.00	1,080.00	6,480.00	800.00	4,800.00
5	Install U-21 Christy Catch-Basin	EA	-	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Skate Park Structural Concrete	SF	1,333	20.00	26,660.00	9.67	12,890.11	5.00	6,665.00	25.00	33,325.00	15.00	19,995.00	25.08	33,431.64	28.00	37,324.00
	Skate Park Shotcrete (Approx. 2450 SF) Site Concrete	LS	. 1	61,250.00 9.00	61,250.00	52,454.00	52,454.00	98,000.00	98,000.00	70,000.00	70,000.00	115,150.00	115,150.00	112,017.60	112,017.60	107,000.00	107,000.00
9	Metal Coping	LF	163	45.00	7,335.00	33.59	5.475.17	10.00	1.630.00	45.00	7.335.00	60.00	9,780.00	31.89	5,198.07	49.00	7,987.00
10	Pool Coping	LF	214	50.00	10,700.00	41.89	8 964 46	20.00	4 280 00	70.00	14 980 00	25.00	5,760.00	86.40	18 489 60	70.00	14 980 00
11	Concrete Staining (On Stamp Only)	SF	107	40.00	4.280.00	22.75	2,434.25	2.00	214.00	15.00	1.605.00	15.00	1,605.00	37.80	4.044.60	38.00	4.066.00
12	Install 6-foot Black Vinyl Perimeter Chain Link fence and	LF	-	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.00	0.00
12	Gates Total Base Bid	LF	-	40.00	159.585.00	0.00		0.00		0.00		0.00		0.00	1979	60.00	
_	Additive Alternate No. 1	_			159,585.00		141,621.27		193,789.00		197,445.00		227,480.00		263,602.27		268,157.00
AA1-2	Excavation and Rough Grading	LS	1	5,000.00	5,000.00	10,534.00	10,534.00	10,000.00	10,000.00	55,000.00	55,000.00	22,000.00	22,000.00	7,710.02	7,710.02	40,000.00	40,000.00
AA1-3	Fine Grading and Contouring of Ground around Skate park	LS	1	6,000.00	6,000.00	5,596.00	5,596.00	10,000.00	10,000.00	10,000.00	10,000.00	22,000.00	22,000.00	2,909.50	2,909.50	11,000.00	11,000.00
AA1-4	Install 6-inch Deck Drains	EA	1	300.00	300.00	253.00	253.00	500.00	500.00	2,000.00	2,000.00	600.00	600.00	1,149.99	1,149.99	800.00	800.00
AA1-5	Install U-21 Christy Catch-Basin	EA	1	900.00	900.00	1,069.00	1,069.00	1,000.00	1,000.00	5,000.00	5,000.00	2,420.00	2,420.00	1,149.99	1,149.99	3,500.00	3,500.00
AA1-6	Skate Park Structural Concrete	SF	2,395	20.00	47,900.00	15.31	36,667.45	5.00	11,975.00	25.00	59,875.00	22.00	52,690.00	14.41	34,511.95	32.00	76,640.00
AA1-9	Metal Coping	LS	109	45.00	4,905.00	25.65	2,795.85	10.00	1,090.00	70.00	7,630.00	60.00	6,540.00	25.93	2,826.37	49.00	5,341.00
AA1-12	Install 6-foot Black Vinyl Perimeter Chain Link fence and Gates	LS	229	40.00	9,160.00	34.13	7,815.77	42.00	9,618.00	50.00	11,450.00	33.00	7,557.00	34.50	7,900.50	60.00	13,740.00
	Additive Alternate No. 1 Total	966	0000		74.165.00	5250000	64,731.07	100700	44.183.00		150.955.00	25000	113,807.00	10000000	58.158.32	67/0000	151.021.00
	Additive Alternate No. 2				74,100.00		04,701.01		44,100.00		100,000.00		110,007.00		50,150.52		101,021.00
AA2-2	Excavation and Rough Grading	LS	1	6,710.00	6,710.00	7,144.00	7,144.00	20,000.00	20,000.00	60,000.00	60,000.00	7,600.00	7,600.00	21,917.57	21,917.57	37,000.00	37,000.00
AA2-3	Fine Grading and Contouring of Ground around Skate	LS	1	2 000 00	2 000 00	4.134.00	4.134.00	20.000.00	20,000,00	15.000.00	15 000 00	10.100.00	10.100.00	6 457 25	6.457.25	12 000 00	12.000.00
AA2-4	park Install 6-inch Deck Drains	EA		300.00	1,200.00	252.88	1,011.52	500.00	2.000.00	2.000.00	8 000 00	600.00	2,400.00	1.150.00	4,600.00	800.00	3.200.00
	Skate Park Structural Concrete	SF	1,254	20.00	25.080.00	9.83	12,326.82	5.00	6,270.00	20.00	25,080.00	15.00	18,810.00	9.52	11,938.08	25.00	31,350.00
	Skate Park Shotcrete (Approx. 960 SF)	LS	1	24.000.00	24,000.00	25.098.00	25.098.00	38.400.00	38,400.00	40,000.00	40.000.00	45.120.00	45,120.00	61.990.75	61,990.75	32,100.00	32,100.00
AA2-9	Metal Coping	LF	155	45.00	6,975.00	22.88	3,546.40	10.00	1,550.00	70.00	10,850.00	60.00	9,300.00	23.13	3,585.15	49.00	7,595.00
AA2-12	Install 6-foot Black Vinyl Perimeter Chain Link fence and	LF	50	40.00	2,000.00	45.50	2.275.00	42.00	2,100.00	70.00	3,500.00	40.00	2,000.00	46.00	2,300.00	60.00	3,000.00
	Gates	1000	10.01		67.965.00	1132003	55 535 74	1.0-1.0-2	90.320.00	7.000000	162.430.00	0.00000	95.330.00	United Control	112,788,80		126,245,00
-	Additive Alternate No. 2 Total Additive Alternate No. 3			_	67,365.00		55,550.74		50,320.00		102,430.00		99,330.00		112,700.00		120,245.00
AA3-2	Excavation and Rough Grading	LS	1	7,656.00	7,656.00	11,171.00	11,171.00	20.000.00	20.000.00	55.000.00	55.000.00	37,000.00	37.000.00	25.519.59	25.519.59	38.000.00	38,000.00
AA3-3	Fine Grading and Contouring of Ground around Skate	LS	- 1	4,000.00	4.000.00	5.613.00	5,613.00	30.000.00	30.000.00	12,000.00	12.000.00	15,000.00	15,000.00	6,119.15	6,119.15	9.500.00	9.500.00
	park Install 6-inch Deck Drains	EA	4	300.00	1,200.00	252.88	1.011.52	500.00	2.000.00	2.000.00	8 000 00	600.00	2,400.00	1.150.00	4.600.00	800.00	3,200.00
	Skate Park Structural Concrete	SF	2,318	20.00	46,360.00	10.34	23,968.12	5.00	11,590.00	2,000.00	46,360.00	24.00	55,632.00	1,150.00	36,624.40	41.00	95,038.00
_	Skate Park Shotcrete (Approx. 1510 SF)	LS	1	37,750.00	37,750.00	23,985.00	23,985.00	90,600.00	90,600.00	155,000.00	155,000.00	70,970.00	70,970.00	28,479.75	28,479.75	53,500.00	53,500.00
	Metal Coping	LS	315	45.00	14,175.00	22.48	7,081.20	10.00	3,150.00	65.00	20,475.00	60.00	18,900.00	22.73	7,159.95	49.00	15,435.00
AA3-12	Install 6-foot Black Vinyl Perimeter Chain Link fence and Gates	LF	177	40.00	7,080.00	34.13	6,041.01	42.00	7,434.00	50.00	8,850.00	30.00	5,310.00	34.50	6,106.50	60.00	10,620.00
	Additive Alternate No. 3 Total				118,221.00		78,870.85		164,774.00		305,685.00		205,212.00		114,609.34		225,293.00
	Additive Alternate No. 4														,		
AA4-2	Excavation and Rough Grading	LS	1	1,000.00	1,000.00	4,801.00	4,801.00	10,000.00	10,000.00	60,000.00	60,000.00	10,000.00	10,000.00	8,662.66	8,662.66	24,000.00	24,000.00
AA4-3	Fine Grading and Contouring of Ground around Skate park	LS	1	4,000.00	4,000.00	2,011.00	2,011.00	10,000.00	10,000.00	10,000.00	10,000.00	8,000.00	8,000.00	1,897.50	1,897.50	9,500.00	9,500.00
AA4-5	park Install U-21 Christy Catch-Basin	EA	1	900.00	900.00	1.069.00	1.069.00	1.000.00	1.000.00	4.700.00	4.700.00	2.420.00	2.420.00	1.150.00	1,150.00	3.500.00	3.500.00
_	Site Concrete	SF	1,343	9.00	12,087.00	6.83	9,172.69	8.00	10,744.00	8.00	10,744.00	17.00	22,831.00	10.35	13,900.05	20.00	26,860.00
	Additive Alternate No. 4 Total	-			17,987.00		17,053.69		31,744.00		85,444.00		43,251.00		25,610.21		63,860.00
	Additive Alternate No. 5																
AA5	Concrete Curb and Sidewalk	SF	1,155	10.00	11,550.00	14.82	17,117.10	10.00	11,550.00	5.00	5,775.00	16.00	18,480.00	20.69	23,896.95	30.00	34,650.00
	Additive Alternate No. 5 Total				11,550.00		17,117.10		11,550.00		5,775.00		18,480.00		23,896.95		34,650.00
				Base Bid	159,585.00		141,621.27		193,789.00		197,445.00		227,480.00		263,602.27		268,157.00
				AA1 AA2	74,165.00 67,965.00		64,731.07 55,535,74		44,183.00 90.320.00		150,955.00 162,430.00		113,807.00 95,330.00		58,158.32 112,788.80		151,021.00 126,245.00
				AA3	118,221.00		78,870.85		164,774.00		305,685.00		205,212.00		114,609.34		225,293.00
				AA4 AA5	17,987.00 11,550.00		17,053.69 17,117.10		31,744.00 11,550.00		85,444.00 5,775.00		43,251.00 18,480.00		25,610.21 23,896.95		63,860.00 34,650.00
				Total w/AA	449,473.00	ha munuda 1 *	374,929.72		536,360.00	7	907,734.00		703,560.00		598,665.89	9 9	869,226.00
					project will	pe awarded fr	om low Base Bio	1									



CONSTRUCTION ADMINISTRATION













GRAND OPENING ASSISTANCE











PROJECT SCHEDULE

- November 14
 — Project kickoff public input meeting
- December 11– Public meeting to review proposed design concepts
- TBD (January) Public to review/approve final proposed design

DISCUSSION: NEXT STEPS

DESIGN WORKSHOP